PATENT ABSTRACTS OF JAPAN

(11) Publication number:

62070344 A

(43) Date of publication of application: 31.03.1987

(51) Int. CI

C07C 83/00

(21) Application number:

60210210

(71) Applicant: MITSUI PETROCHEM IND LTD

(22) Date of filing:

25.09.1985

(72) Inventor:

ISHIDA TATSUKAZU HASHIMOTO ISAO

(54) PRODUCTION OF NITROPHENOXYAMINE

ably -10W+80°C.

(57) Abstract:

PURPOSE: To industrially and advantageously obtain the titled compound useful for synthesizing medicines and agricultural chemicals in high yield, by reacting an N-aryloxyimide derivative with hydroxylamine.

CONSTITUTION: An N-aryloxyimide derivative expressed by formula I (n is an integer 1W3; X is H, halogen or alkyl; -A-B- is formula IIWIV; R1 is CI or alkyl; R²WR⁵ are H, alkyl, alkenyl, etc.) is reacted with hydroxylamine to afford a nitrophenoxyamine expressed by formula V. This method is industrially advantageous since not only the aimed compound expressed by formula V is obtained in high yield by simple operation in a few steps but also N- hydroxyimides, expressed by formula VI and formed as a by-product can be readily led to the compound expressed by formula I for reuse. The reaction temperature is normally -40W+150°C, preferCOPYRIGHT: (C)1987,JPO&Japio